

Title (en)
Wrought aluminium alloy

Title (de)
Aluminiumknetlegierung

Title (fr)
Alliage d'aluminium forgeable

Publication
EP 1475449 B1 20100113 (DE)

Application
EP 04003221 A 20040213

Priority
AT 4042003 A 20030314

Abstract (en)
[origin: US2004177902A1] The invention relates to an aluminium wrought alloy with an aluminium matrix, in which at least a soft phase and hard particles are incorporated, the soft phase being at least one element from a first group of elements consisting of tin, antimony, indium and bismuth and the hard particles being scandium and/or zirconium and at least one element from a second group of elements consisting of copper, manganese, cobalt, chromium, zinc, magnesium, silicon and iron, or inter-metallic phases of scandium, zirconium with aluminium or aluminium with the elements from the second group of elements. The first element(s) from the first group of elements is (are) present in a quantity of a total of 4.5% by weight maximum, the element(s) from the second group of elements is (are) present in a quantity of a total of 8.5% by weight maximum and the scandium and/or zirconium is (are) present in a quantity of a total of 0.8% by weight maximum.

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